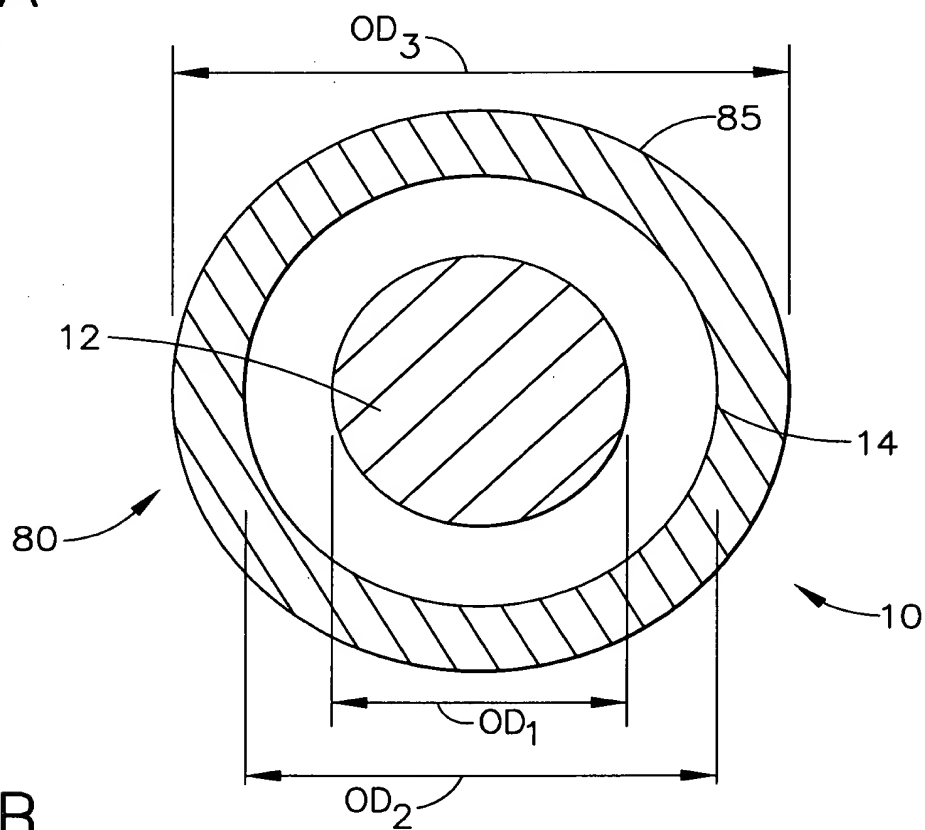
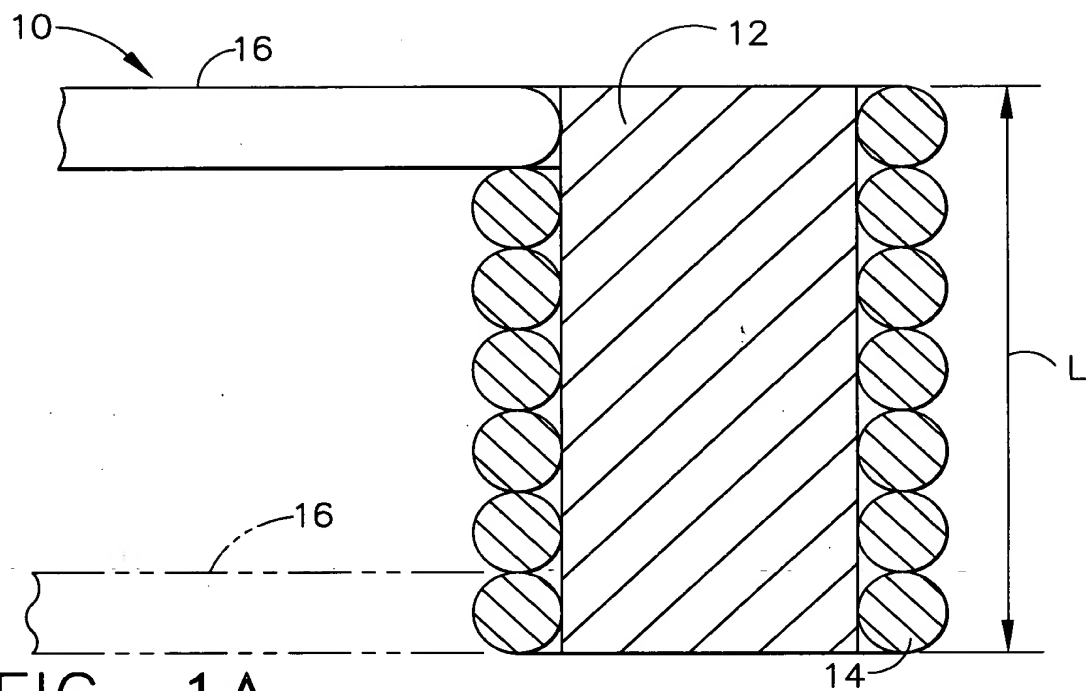


APPENDIX

TABLE 1

REGRESSING HEAT EXPERIMENT

	1			2			3			4			5			6			7			8										
	sensitivity	resistance		sensitivity	resistance		sensitivity	resistance		sensitivity	resistance		sensitivity	resistance		sensitivity	resistance		sensitivity	resistance		sensitivity	resistance									
30	2.6280	1.39	176.30	12.59	2.3925	1.30	165.20	12.89	2.4537	1.31	171.60	13.17	2.8664	1.26	185.60	13.25	3.3480	1.00	235.7	12.18	2.4057	1.25	167.4	13.02	2.4290	1.32	160.30	20.27	2.5002	1.11	175.40	11.74
35	2.6327	1.25	178.90	10.96	2.3958	1.16	168.00	11.01	2.4567	1.18	174.30	11.42	2.8696	1.14	188.90	11.28	3.3506	0.92	239.3	10.49	2.4081	1.15	169.6	11.56	2.4319	1.20	161.70	19.23	2.5029	1.00	177.40	10.48
40	2.6356	1.13	181.80	9.19	2.3990	1.03	171.00	9.06	2.4598	1.06	177.20	9.59	2.8728	1.03	192.10	9.42	3.3533	0.84	242.8	8.90	2.4108	1.04	171.9	10.06	2.4356	1.05	166.30	15.94	2.5053	0.91	179.20	9.38
45	2.6380	1.00	184.40	7.65	2.4025	0.88	173.90	7.25	2.4632	0.92	179.90	7.95	2.8765	0.90	194.90	7.65	3.3568	0.74	246.7	7.17	2.4141	0.90	174.7	8.30	2.4387	0.92	171.00	12.75	2.5070	0.84	180.60	8.53
50	2.6419	0.89	187.40	5.92	2.4057	0.74	176.40	5.73	2.4670	0.76	182.60	6.35	2.8801	0.77	197.80	6.27	3.3605	0.62	250.9	5.38	2.4167	0.79	177.3	6.71	2.4428	0.75	174.10	10.74	2.5093	0.75	183.50	6.81
55	2.6457	0.75	190.40	4.25	2.4087	0.62	178.90	4.25	2.4705	0.62	185.30	4.80	2.8838	0.64	200.80	4.68	3.3642	0.51	254.4	3.93	2.4198	0.66	179.6	5.35	2.4462	0.61	172.90	11.51	2.5134	0.58	185.10	5.89
60	2.6489	0.63	192.80	2.96	2.4116	0.50	181.80	2.59	2.4744	0.46	188.20	3.19	2.8875	0.52	203.80	3.14	3.3674	0.42	258.7	2.20	2.4232	0.52	182.2	3.84	2.4494	0.48	183.90	4.84	2.5157	0.49	191.40	2.40
65	2.6519	0.51	195.80	1.38	2.4148	0.36	184.30	1.19	2.4774	0.34	191.80	1.25	2.8913	0.38	207.30	1.40	3.3708	0.32	261.7	1.03	2.4265	0.38	184.6	2.49	2.4516	0.39	190.20	1.37	2.5168	0.45	194.10	0.98
70	2.6557	0.37	198.50	0.00	2.4176	0.25	186.50	0.00	2.4799	0.24	194.20	0.00	2.8952	0.25	210.20	0.00	3.3749	0.20	264.4	0.00	2.4293	0.27	186.9	1.23	2.4548	0.26	192.80	0.00	2.5215	0.26	196.00	0.00
75	2.6599	0.21			2.4207	0.12			2.4833	0.10	196.40		2.8986	0.13	212.20		3.3780	0.10	267.9		2.4326	0.13	189.2	0.00	2.4580	0.13			2.5247	0.13		
80	2.6655	0.00			2.4236	0.00			2.4858	0.00			2.9024	0.00			3.3815	0.00			2.4358	0.00			2.4611	0.00			2.5280	0.00		
slope	-0.0266		-0.3165		-0.0259		-0.3233		-0.0269		-0.3305		-0.0254		-0.3279		-0.0205		-0.3124		-0.0253		-0.2934		-0.0266		-0.5271		-0.0219		-0.3069	



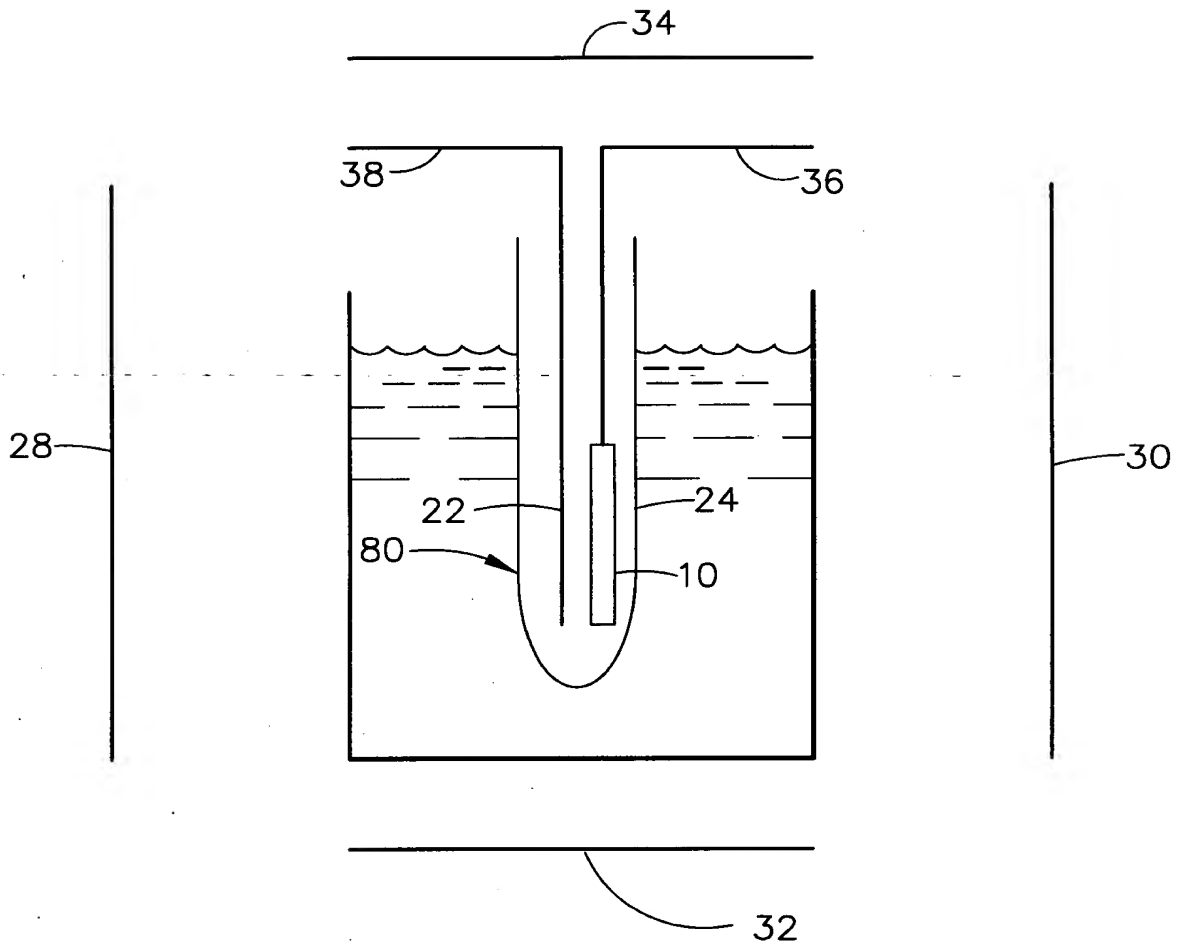


FIG. 2

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REGRESSING HEAT EXPERIMENT SENSOR 2

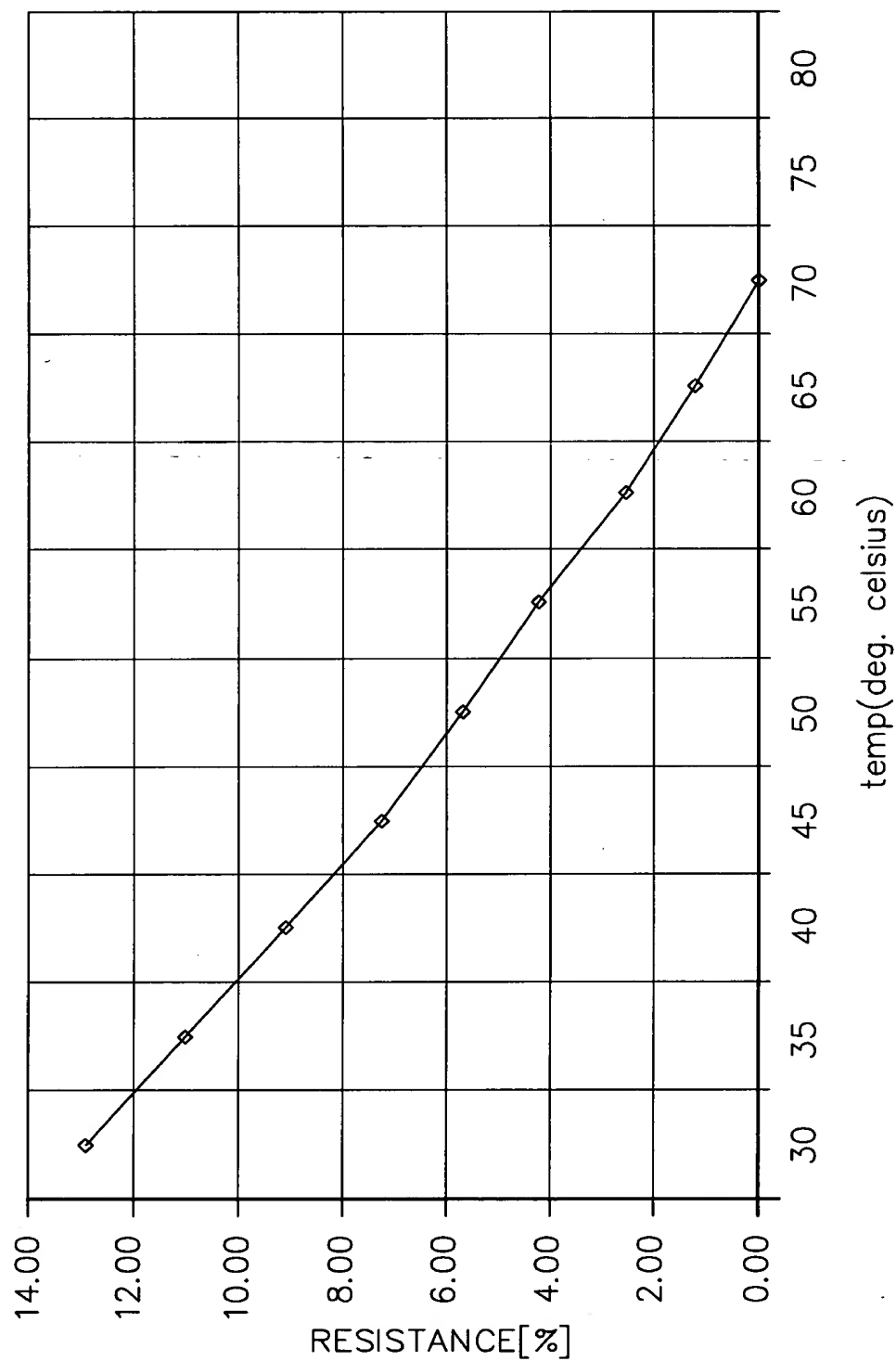


FIG. 3A

TEMPERATURE 33.33 33.33 33.33 33.33

REGRESSING HEAT EXPERIMENT SENSOR 2

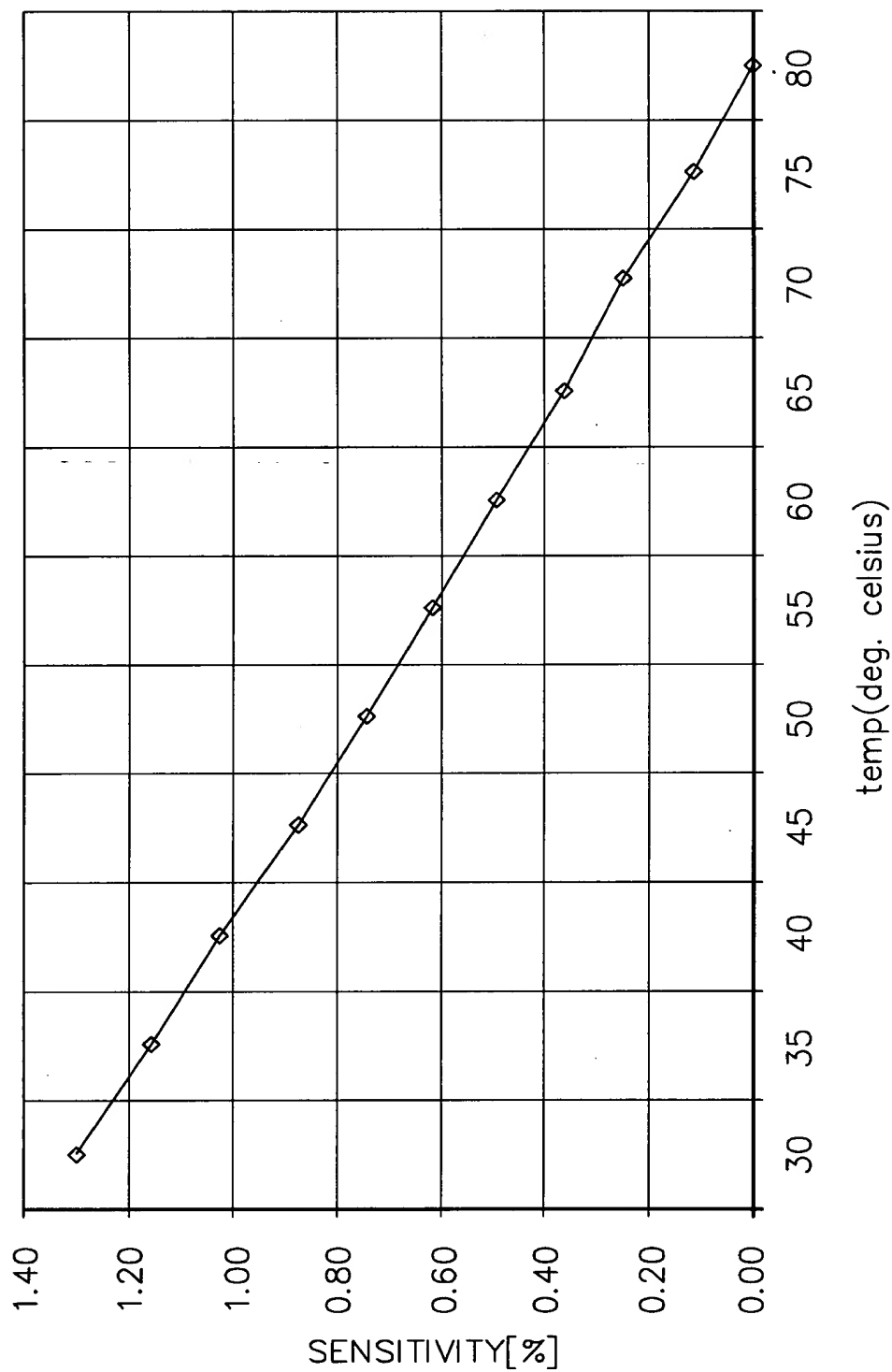


FIG. 3B

30

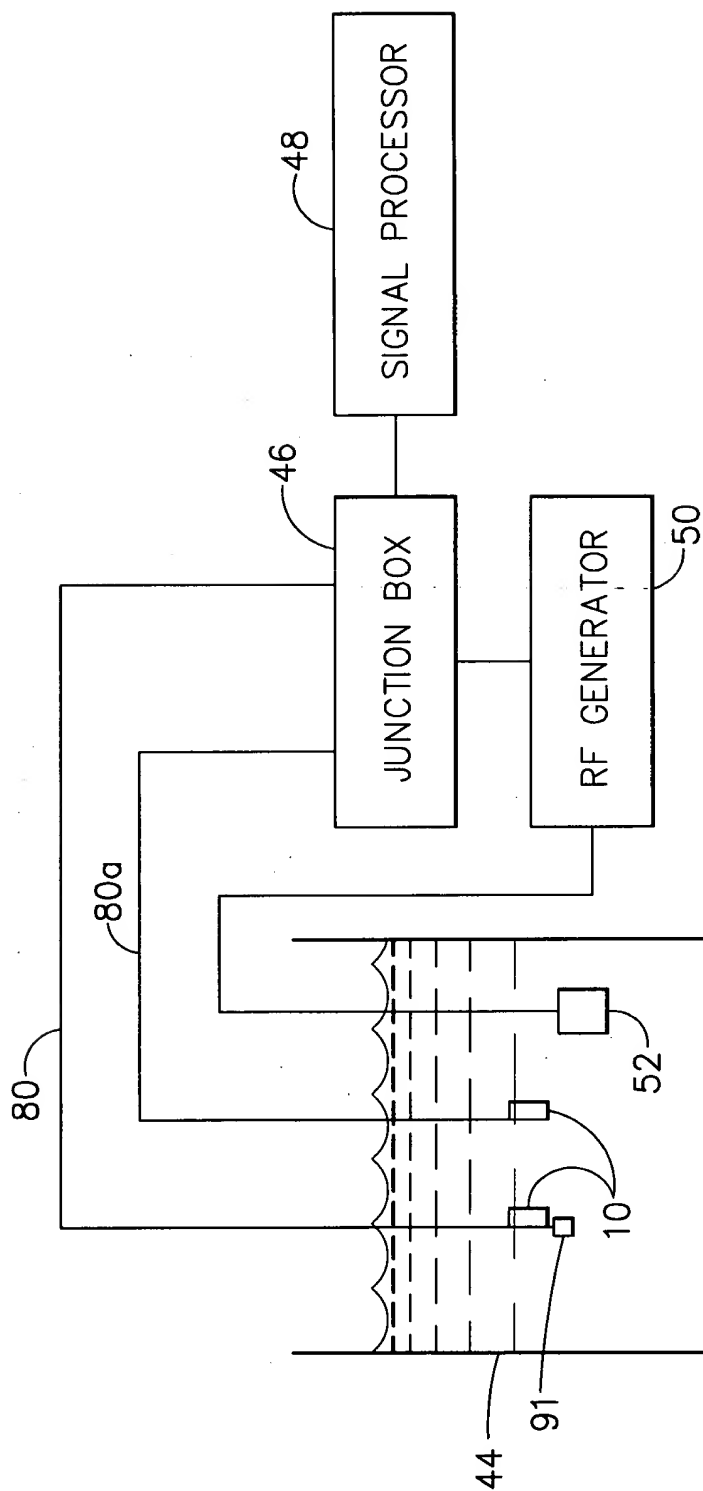


FIG. 4

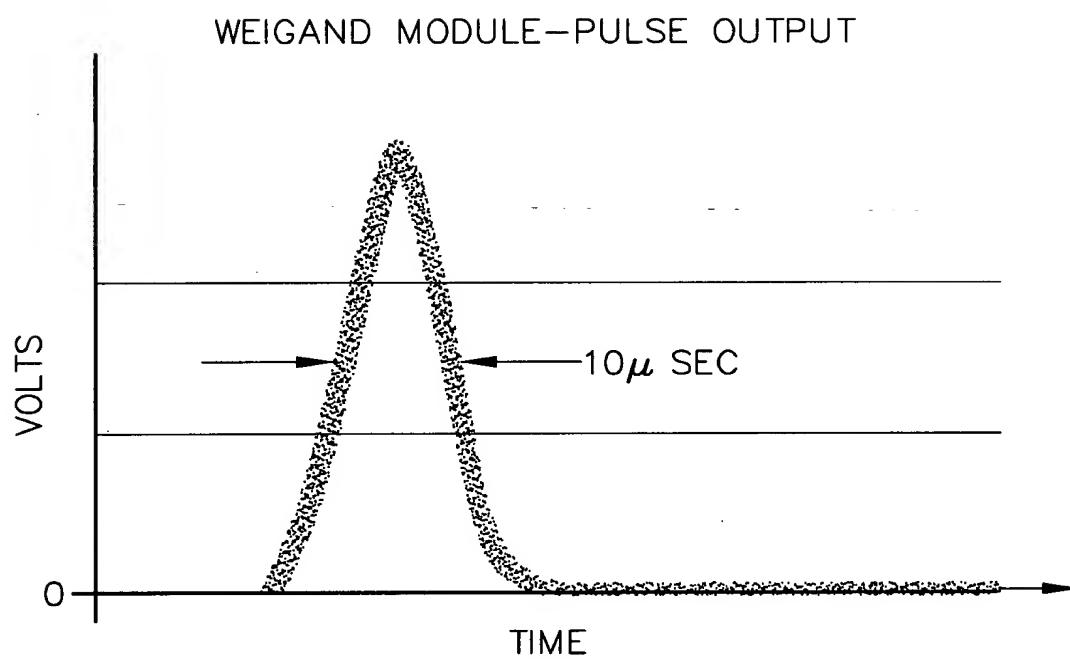


FIG. 5